

ABSTRACT OF THE DISCLOSURE

A method of manufacturing a liquid medium containing composite ultrafine particles comprises the steps of preparing a dispersion medium that is a liquid medium in which ultrafine particles of different materials from each other are dispersed, introducing the dispersion medium into first and second chambers, respectively, applying high frequency voltage to the chambers and exciting dispersion media, applying direct current voltage to each dispersion medium on the downstream side than the applying position of the high frequency voltage and electrifying these in different polarities from each other, and aggregating/bonding by means of excitation transfer as well as electrostatically aggregating ultrafine particles each other in the liquid medium in the crashing field by injecting the dispersion media electrified in different polarities from each other through two nozzle sections at a high speed, and crossing/crashing each other.